

# Richmond Refinery LPS Alert – Safety



## Operators sprayed with spent sulfuric acid



IMPACT ERM: 7361

**Location:** Cracking - Alky

**Contact Information:**

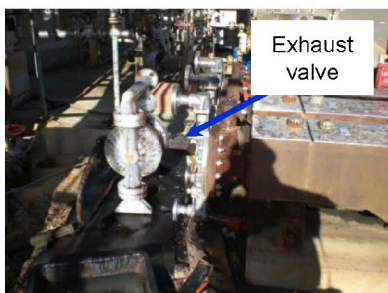
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**Reference:**

Information



Air-driven diaphragm transfer pump showing air exhaust valve (probable source for spent acid spray).

### Incident Description:

Two operators were sprayed with spent sulfuric acid while starting an air-driven diaphragm transfer pump on February 7<sup>th</sup>, 2011.

When the pump was started, a small amount of the spent acid was sprayed into the air and some of that acid landed on the operators. One of the employees received medical attention beyond first aid for some acid that hit the back of his neck. This injury has been classified as a Recordable Injury.

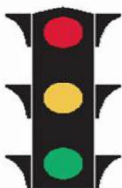
A TapRoot investigation is in progress.

### Immediate Actions Taken:

- 1) Both operators received initial evaluation and treatment from CFD EMTs.
- 2) One operator was transported off-site for further evaluation and treatment.

## LOSS PREVENTION SELF-ASSESSMENT

**BEFORE BEGINNING ANY ACTIVITY/TASK/JOB, AFTER A LOSS OR NEAR LOSS, ANY UNUSUAL CIRCUMSTANCES:**



**ASSESS** the risk!

What could go wrong?

What is the worst thing that could happen if something does go wrong?

**ANALYZE** how to reduce the risk!

Do I have all the necessary Training and Knowledge to do this job properly?

Do I have all the proper Tools and Personal Protective Equipment?

**ACT** to ensure loss-free operations!

Take necessary Action to ensure the job is done properly!

Follow written procedures! Ask for assistance, if needed!

**DO NOT PROCEED UNLESS ALL RISKS HAVE BEEN ADDRESSED!**

**For Everyone • Every Day • All the Time**

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***Always remember to do  
your LPSA – because  
we care about you!***